Team ID: PNT2022TMID30150

Project Title: Virtual Eye -Life Guard for Swimming Pools to Detect Active Drowning

CS 1. CUSTOMER SEGMENT(S) 6. CUSTOMER CONSTRAINTS \mathbf{CC} 5. AVAILABLE SOLUTIONS Explore AS, differentiate AS It will be Affordable and Device Swimmers and Ordinary people, The existing solution which gets compatibility and User-friendly device **Organization and Trainers** the data and after training the model, predicts the results. fit into Various software and device have been developed but not gives high accuracy rate CC BE RC 2. JOBS-TO-BE-DONE / PROBLEMS J&P 9. PROBLEM ROOT CAUSE 7. BEHAVIOUR The possibilities of detection of Get information from others Lifeguards and trainers can't monitor drowning were not up to the Search and learn about drowning all the swimmers /persons at a same expected level and accuracy rate of detection system time the detection of existing system was Search for solution in online Detection system to detect drowning low so there is a need for developing persons was not fast and accurate a system with high accuracy rate in detection SL CH 3. TRIGGERS TR**10. YOUR SOLUTION 8.CHANNELS of BEHAVIOUR** 8.1 ONLINE Using CNN -YOLOv7 algorithm to detects **Extract online & offline CH of** Death rate of drowning was become Share information, social media, Identify strong TR & EM the drowning people to get high and fast high nowadays. System to detect drowning Blogs accuracy rate. It detects the drowning was not give high accuracy rate person and alerting by beep alarm and 8.2 OFFLINE shows the exact position of a drowning Monitor persons, Friends and Colleague, 4. EMOTIONS: BEFORE / AFTER \mathbf{EM} person. get help from lifeguards or trainers Before: Insecure and stressful After: Relaxed, Comfortable, feel secure